| Index | of Cl | aims | |
|-------|-------|------|--|
| | | | |

| App | licatio | n/Contr | ol No. |
|-----|---------|---------|--------|
|-----|---------|---------|--------|

10/814,663

LI ET AL.

Reexamination

Applicant(s)/Patent under

10/814,66 Examiner

Art Unit

Sangwoo Ahn

2166

√ Rejected
= Allowed

- (Through numeral)
Cancelled

Non-Elected

Appeal

Restricted

I Interference

Objected

| Cla | im | Date | | | | | | | | |
|----------------|--|--|--|------------|--|--|--|--|--|-----------------|
| Final | Original | 3/29/07 | | | | | | | | |
| 1 | 1 | = | | | | | | | | |
| 2 | 1 2 3 4 5 6 | Ξ | | | | | | | | |
| 3 | 3 | = | | | | | | | | |
| 4 | 4 | = | | | | | | | | |
| 5 | 5 | = | | | | | | | | |
| 6 | 6 | = | | | | | | | | |
| | | - | | | | | | | | |
| | 7 8 | - | | | | | | | | \Box |
| | 9 | - | | | | | | | | |
| | 10 | - | | | | | | | | |
| 7 | 11 | = | | | | | | | | |
| 8 | 12 | = | | | | | | | | |
| 9 | 13 | Ξ | | | | | | | | |
| 10 | 11 12 13 14 15 16 17 | = | | | | | $oxedsymbol{oxed}$ | | | Ш |
| 11 | 15 | = | | | | | L | | | |
| 12 13 14 | 16 | = | | | | | | | L | |
| 13 | 17 | = | <u> </u> | | | | | L | | |
| 14 | 18 | = | Ĺ | | | | L | | | Ш |
| 15 | 19 | = | | | | | <u> </u> | | L | Ш |
| | 20 | ٠. | | <u>L</u> . | | _ | _ | | | Ш |
| | 19 20 21 22 23 | - | L | | | | <u> </u> | L | L_ | Ш |
| | 22 | - | | L | | _ | | L | _ | Ш |
| | 23 | - | | L | | <u> </u> | | | | Ш |
| 16 | 24 | = | _ | | | _ | | | | Ш |
| | 25 26 | <u>-</u> | _ | _ | | <u> </u> | _ | _ | L. | Ш |
| L | 26 | - | _ | L | | <u> </u> | _ | | | Ш |
| 17 18 | 27 | = | _ | | | | | | <u> </u> | |
| 18 | 27 28 29 | = | <u> </u> | <u> </u> | | <u> </u> | | | _ | Ш |
| 19 | 29 | = | | | - | | | | L | Ш |
| 20 | 30 31 | = | ļ | <u> </u> | | <u> </u> | | | _ | Ш |
| <u> </u> | 31 | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | _ | ļ | |
| | 32 | | <u> </u> | - | <u> </u> | <u> </u> | ├ | <u> </u> | \vdash | Ш |
| ļ | 33 34 35 | | \vdash | | <u> </u> | ├— | | <u> </u> | ├ | $\vdash \vdash$ |
| ļ | 35 | ├- | | ₩ | <u> </u> | ├ | \vdash | H | | Н |
| ļ | 38 | | ├ | | ⊢ | - | ├- | ├ | - | $\vdash \dashv$ |
| | 36 37 | - | ├- | - | \vdash | \vdash | - | | ┢ | Н |
| <u> </u> | 38 | \vdash | \vdash | - | - | ├ | \vdash | ├- | ├─ | \vdash |
| - | 39 | 1 | \vdash | | - | - | - | - | - | H |
| <u> </u> | 40 | \vdash | | - | \vdash | \vdash | \vdash | \vdash | | \vdash |
| | 41 | H | | | \vdash | \vdash | - | | - | |
| | 42 | \vdash | | | | \vdash | \vdash | | \vdash | \vdash |
| · | 43 | †- | | | | 1 | _ | | | $\vdash \vdash$ |
| | 44 | \vdash | | | \vdash | \vdash | | \vdash | \vdash | \vdash |
| <u> </u> | 45 | | \vdash | - | \vdash | | | | _ | $\vdash \vdash$ |
| | 46 | T | t | T | | | 1 | \vdash | T | H |
| | 47 | | | | | t | | | | H |
| | 48 | | | ı | Ι- | T | T | T | T | П |
| | 49 | | Ė | | | | | | 一 | |
| | 50 | Π | | Г | | | | | | |
| Ь—— | | | | | Ь | Ь— | | _ | | ய |

| Claim Date Image: Claim of the control of the cont | _ <u>~</u> : | | | | | | | | | | |
|--|--------------|----------|--------------|--|--------------|--------------|----------|--|---------------|--------------|----------|
| 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | Cla | | Date | | | | | | | | |
| 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | Final | Original | | | | | | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 51 | | | | | | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 52 | | | | | | | | | |
| 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 53 | | | | | | | | | |
| 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 54 | | | | | | | | | |
| 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 55 | | | | | | | | | |
| 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | | | | | | | | | | |
| 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | | | | | | | | | L., | _ |
| 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | <u> </u> | 58 | | _ | | _ | | | | | L. |
| 61 62 63 64 65 66 67 68 69 70 71 72 `73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | ļ | | _ | | | | | | | L | |
| 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | | _ | | | | | | | | _ |
| 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | <u> </u> | 61 | | | | | | | | <u> </u> | |
| 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 62 | | _ | | <u> </u> | | - | | ļ | |
| 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | - | 63 | H | \vdash | \vdash | ļ | | - | _ | | - |
| 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | | 65 | <u> </u> | - | - | | | - | _ | ┝ | - |
| 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 | - | 66 | _ | - | | | | - | _ | ┝ | |
| 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | ļ | 67 | | - | - | - | - | ⊢ | _ | ⊢ | |
| 69 70 71 71 72 73 74 75 76 77 78 79 80 81 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 69 | | | | | - | \vdash | | \vdash | - |
| 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 60 | - | | _ | | - | - | - | ┢ | - |
| 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | \vdash | 70 | ┢ | - | | | Н | \vdash | - | | |
| 72 | | 71 | \vdash | \vdash | | | <u> </u> | \vdash | \vdash | ┢ | _ |
| 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 72 | - | ┢┈ | | | | H | | _ | |
| 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | `73 | | | | | | | | | |
| 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 74 | | _ | | | | | | | |
| 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 | | 75 | <u> </u> | | | | | | | | |
| 78 79 80 81 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | | 76 | | | | | | | | | |
| 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | | 77 | | | | | | | | | |
| 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 95 96 97 98 | | 78 | | | | | | | | | |
| 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 79 | | | <u> </u> | _ | | L | <u> </u> | | |
| 82 83 84 85 86 87 88 89 90 91 92 93 93 94 95 96 97 98 | | | L | | | | | | <u> </u> | | |
| 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 81 | _ | <u> </u> | | L | <u> </u> | | | | |
| 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 82 | _ | <u> </u> | _ | <u>L</u> | <u> </u> | <u> </u> | | | _ |
| 85 86 87 88 89 90 91 92 93 94 95 96 97 98 | | | Ŀ | <u> </u> | <u> </u> | _ | | <u> </u> | <u> </u> | | _ |
| 86 87 88 89 90 91 92 93 94 95 96 97 98 | | 84 | <u> </u> | <u> </u> | _ | _ | | | _ | _ | ├ |
| 87 88 89 90 91 92 93 94 95 96 97 98 | | | ┝ | _ | | _ | _ | <u> </u> | | | ⊢ |
| 88 89 90 91 92 93 94 95 96 97 98 | | 00 | - | _ | | - | - | - | <u> </u> | | H |
| 89 90 91 92 93 94 95 96 97 98 99 | - | 88 | - | - | ├ | \vdash | \vdash | \vdash | _ | - | |
| 90 91 92 93 94 95 96 97 98 99 | | | | - | - | | \vdash | \vdash | \vdash | \vdash | ┢ |
| 91 92 93 94 95 96 97 98 99 | - | | <u> </u> | - | | | \vdash | - | | | ┢ |
| 92 93 94 95 96 97 98 99 | | | | | \vdash | \vdash | \vdash | \vdash | \vdash | Н | \vdash |
| 93 94 95 96 97 98 99 | | | | \vdash | ┢ | | <u> </u> | | | | T |
| 94 95 96 97 98 99 | | 93 | T | <u> </u> | ┢ | \vdash | \vdash | - | Г | <u> </u> | ┢ |
| 95 96 97 98 99 | | 94 | <u> </u> | <u> </u> | <u> </u> | _ | | | | T | Γ |
| 96 97 98 99 | | 95 | | L'' | | | | | L | | |
| 98 99 | | 96 | | | | | | | | | |
| 99 | | | L | | | | L | \Box | \Box | 匚 | Ĺ |
| | | | _ | _ | | L | <u> </u> | | <u> </u> | | |
| [100 | <u> </u> | | | _ | _ | _ | _ | <u> </u> | _ | _ | <u> </u> |
| | L | 100 | L | | <u> </u> | <u> </u> | L | _ | | | <u> </u> |

| Cli | aim | | | | | Date | 9 | | | |
|--|---|--|--------------|--|--|--|----------|--------------|--|--|
| | | | | | | | 1 | | | |
| Final | Original | | | | | | | | | |
| | 101 102 103 104 105 106 | | | | | | | | ĺ | |
| | 102 | | | | | | | | | |
| | 103 | | | | | | | | | |
| | 104 | | | | | | | | | |
| | 105 | | | | | | | | | |
| | 106 | | | | | | | | | |
| | 107 108 109 | | | | | | | | | |
| | 108 | | | | | _ | | | | |
| | 109 | | | | | | | | | |
| | 110 111 | | | | | | | | | |
| | 111 | | | | | | | | _ | |
| | 112 | | | | | | | | | |
| | 113 | | | | | | | | | _ |
| | 113 114 115 | | | | | ļ | | | | |
| | 115 | _ | | | | <u> </u> | | | | |
| | 116 117 118 | _ | _ | _ | | <u> </u> | | | $oxed{oxed}$ | L |
| | 117 | | $oxed{oxed}$ | _ | | _ | | | | <u> </u> |
| | 118 | <u> </u> | _ | | | _ | | | | |
| | 119 | | | | L., | | | | ļ | _ |
| <u> </u> | 120 | | | ļ | <u> </u> | | | _ | _ | _ |
| <u> </u> | 121 | | | | $oxed{oxed}$ | | | | <u> </u> - | |
| ļ | 122 | | _ | _ | _ | _ | _ | | <u> </u> | \vdash |
| <u> </u> | 123 | | | L | <u> </u> | | | | <u> </u> | |
| <u> </u> | 124 | <u> </u> | _ | ļ | _ | <u> </u> | | _ | \vdash | <u> </u> |
| <u> </u> | 125 | <u> </u> | _ | <u> </u> | | | | | - | |
| <u> </u> | 120 121 122 123 124 125 126 127 128 129 130 | \vdash | | ┝ | | <u> </u> | <u> </u> | | | - |
| ļ | 127 | | | - | | - | ├- | | | |
| <u> </u> | 120 | \vdash | | \vdash | <u> </u> | <u> </u> | ⊢ | - | | - |
| | 129 | - | | | <u> </u> | ┢ | \vdash | - | \vdash | - |
| | 130 | \vdash | _ | | | - | \vdash | | - | ⊢ |
| | 132 | \vdash | | \vdash | | <u> </u> | | | ├ | H |
| | 133 | | | - | _ | - | | _ | - | |
| | 133 134 135 | | \vdash | \vdash | H | \vdash | | | \vdash | |
| | 135 | \vdash | \vdash | | ├─ | | - | \vdash | \vdash | |
| | 136 | \vdash | H | | H | \vdash | | - | | \vdash |
| | 136 137 | | _ | ┢ | | T | | \vdash | \vdash | _ |
| | 138 | \vdash | | | | | | \vdash | t | |
| <u> </u> | 138 139 | _ | | | Ι | <u> </u> | | | | |
| | 140 | | | <u> </u> | \vdash | | _ | | | |
| | 141 | | \vdash | | · | <u> </u> | | | | Г |
| | 142 | | _ | Г | | | | | | |
| | 143 | | | | T | | Γ | Г | l | Г |
| | 144 | | | | | | | Т | Г | |
| | 145 | | | | | | | | | |
| | 146 | | | | | | | | | |
| | 147 | | | | | | | | | |
| | 148 | | | | | | | | | |
| | 149 | | | | | | | | | |
| | 150 | | | | | | Ĺ | | | |